FIG. 1

				1A					
FUSE	OUTPUT CIRCUIT		OUTPUT CIRCUIT	FUSE					
MEN	MORY MAT		MEMORY N	ΛAΤ					
INPUT BUF DECODER	FER CONTROL CIRCUIT	STEP-DOWN INPUT BUFFER DECODER							
ME	MORY MAT		MEMORY MAT						
FUSE	OUTPUT CIRCUIT		OUTPUT CIRCUIT	FUSE					

FIG. 2

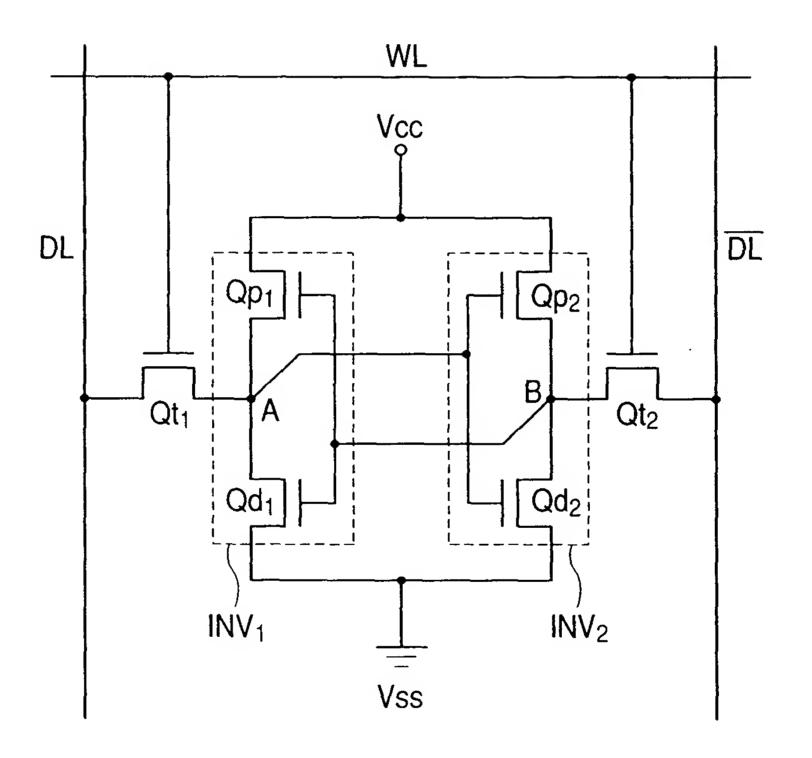
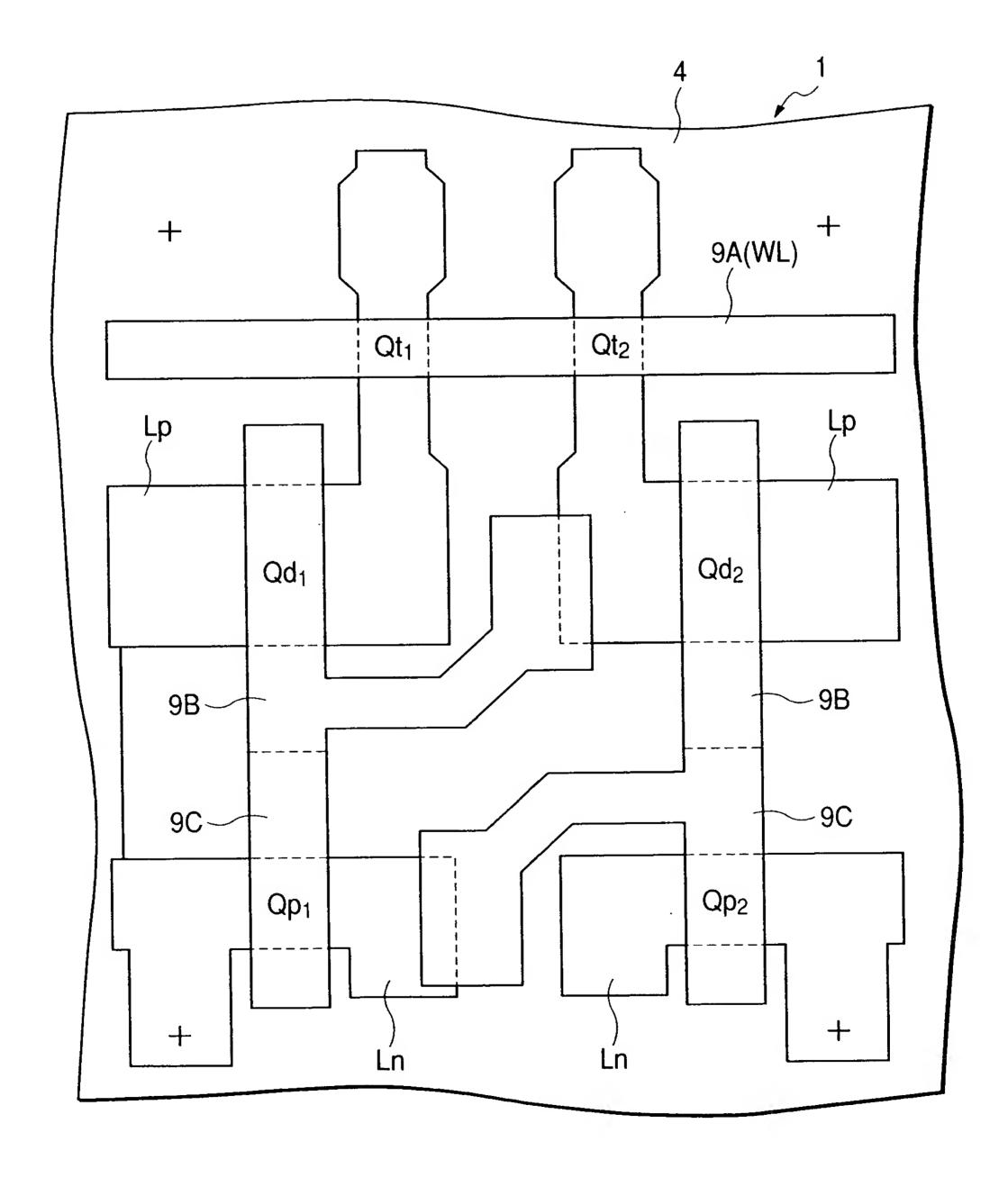


FIG. 3



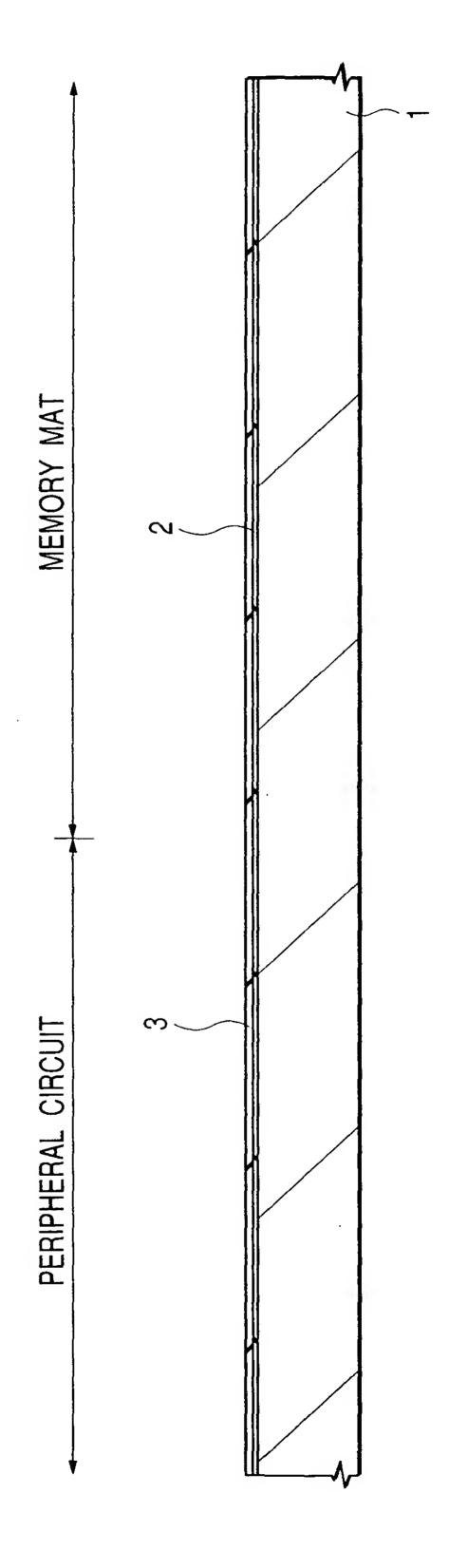
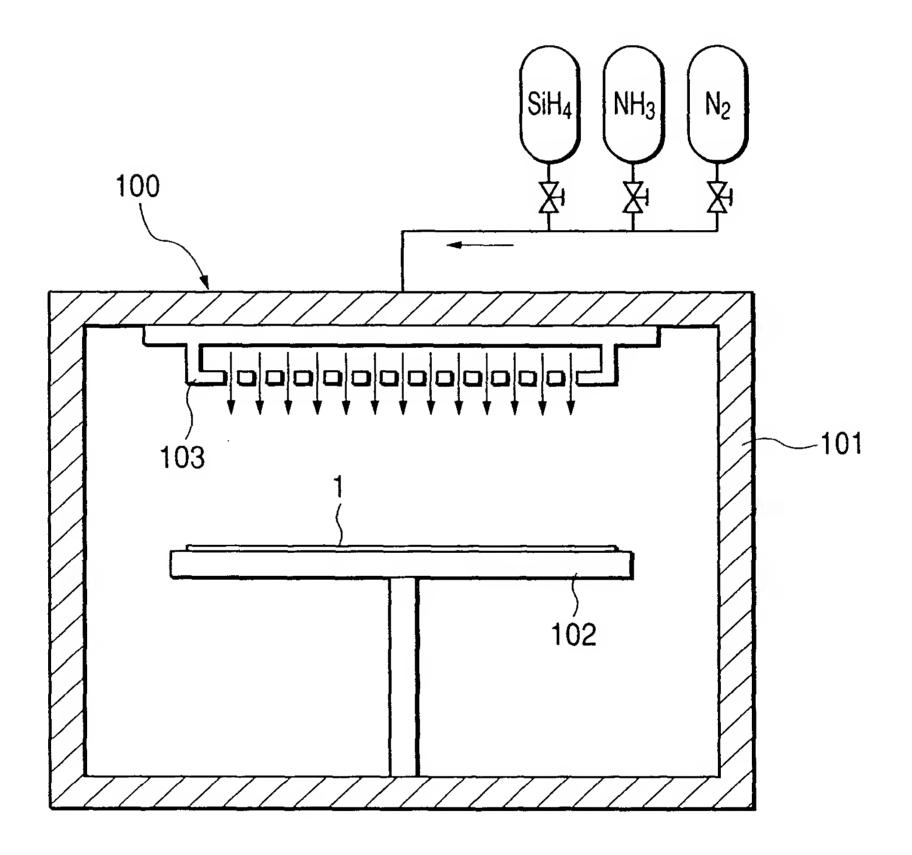
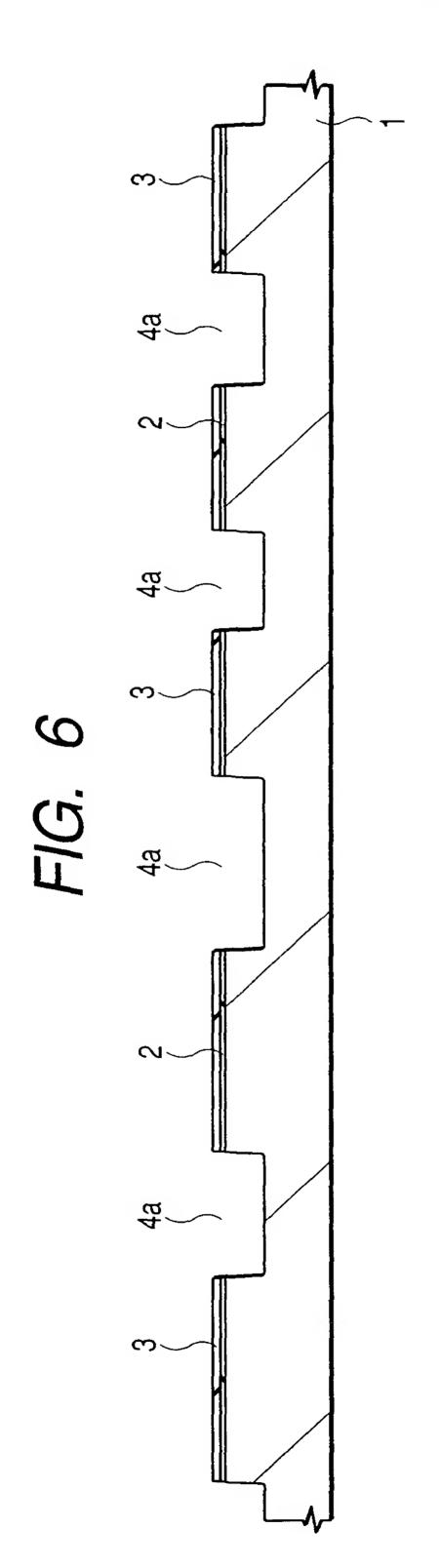
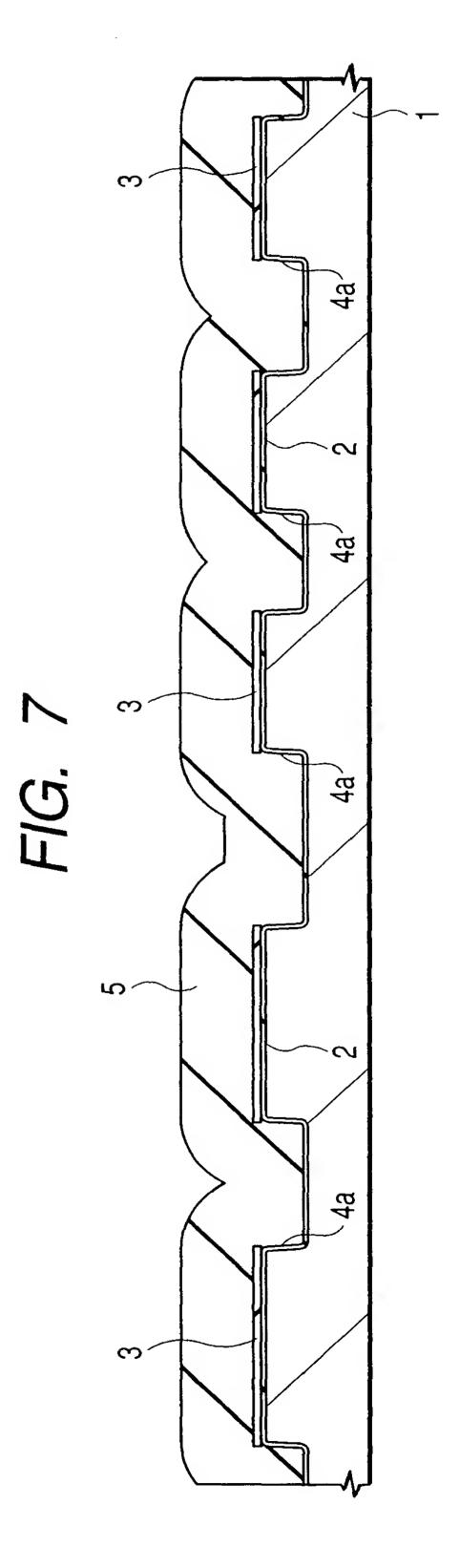


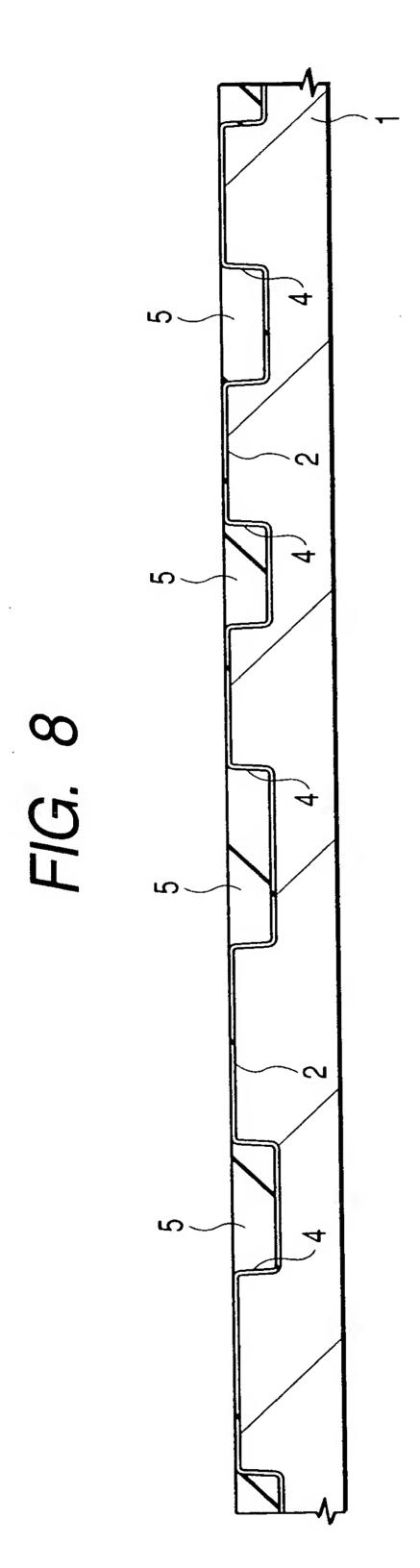
FIG. 4

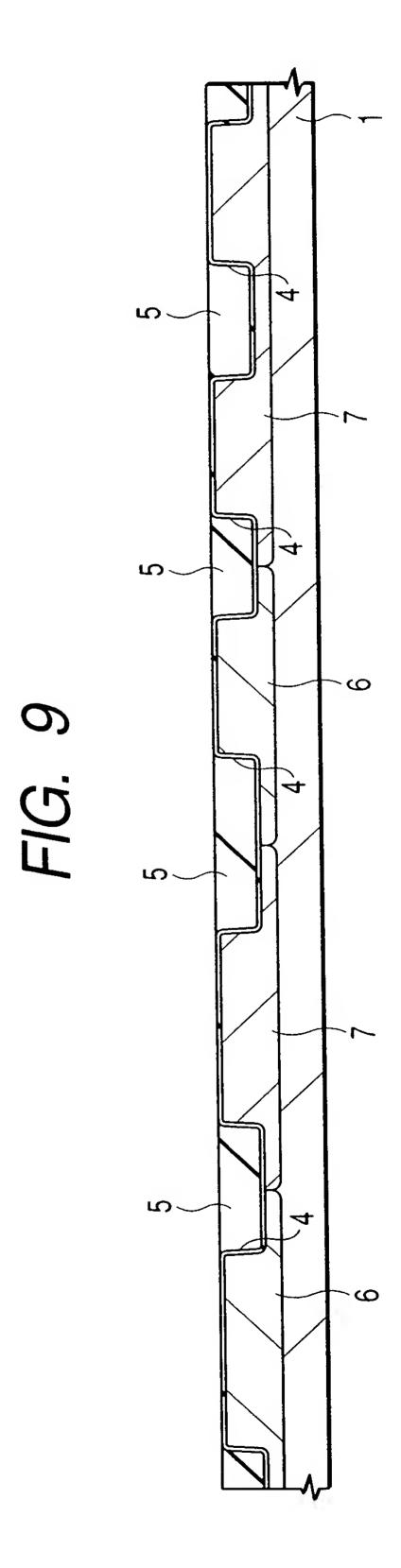
FIG. 5

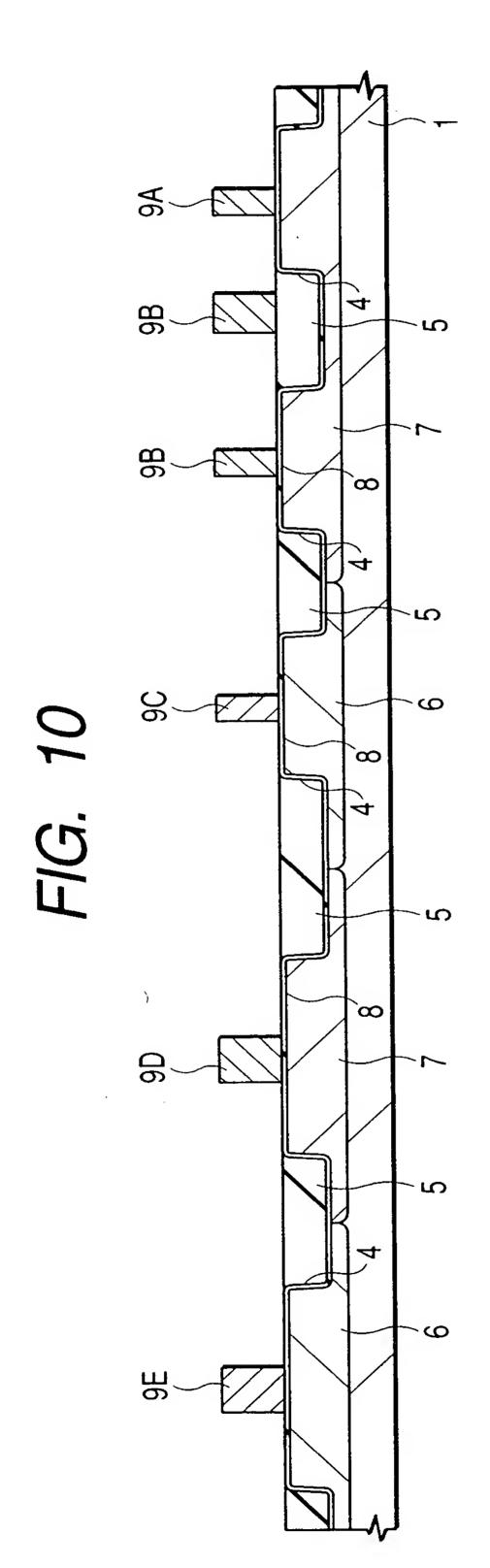


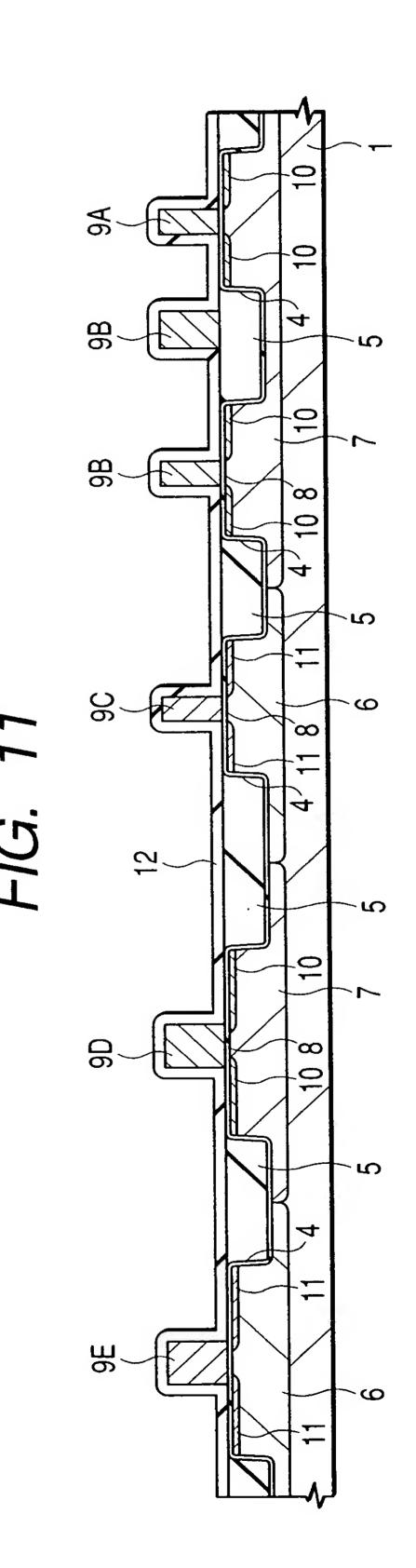




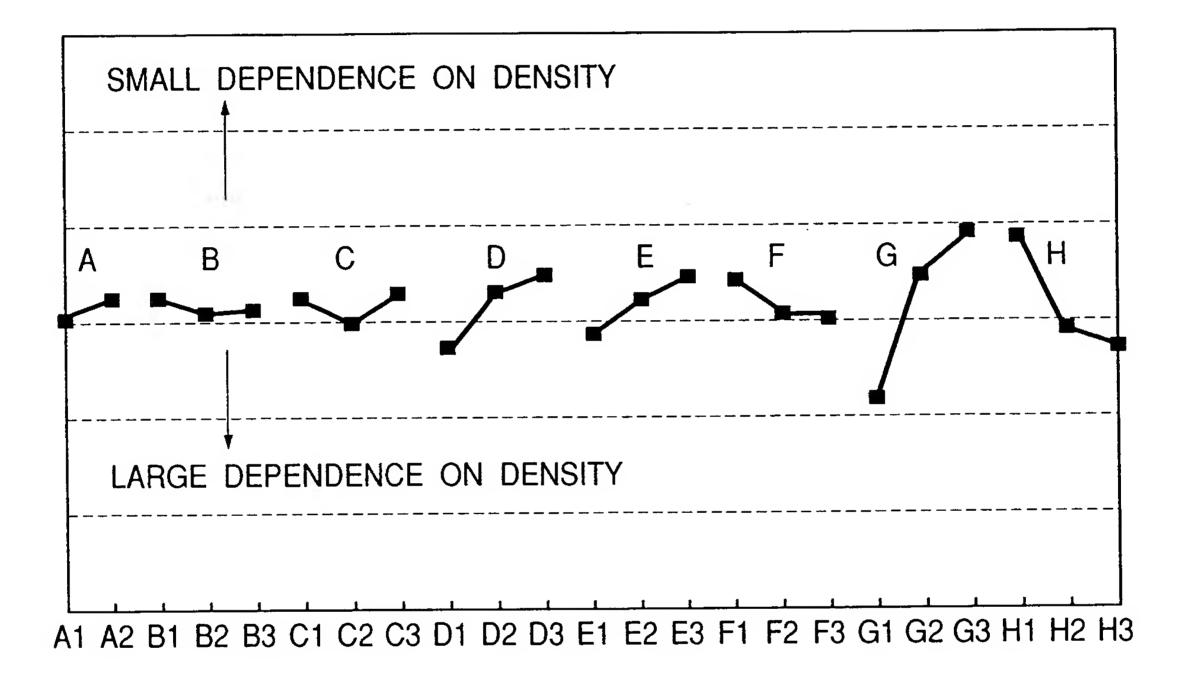






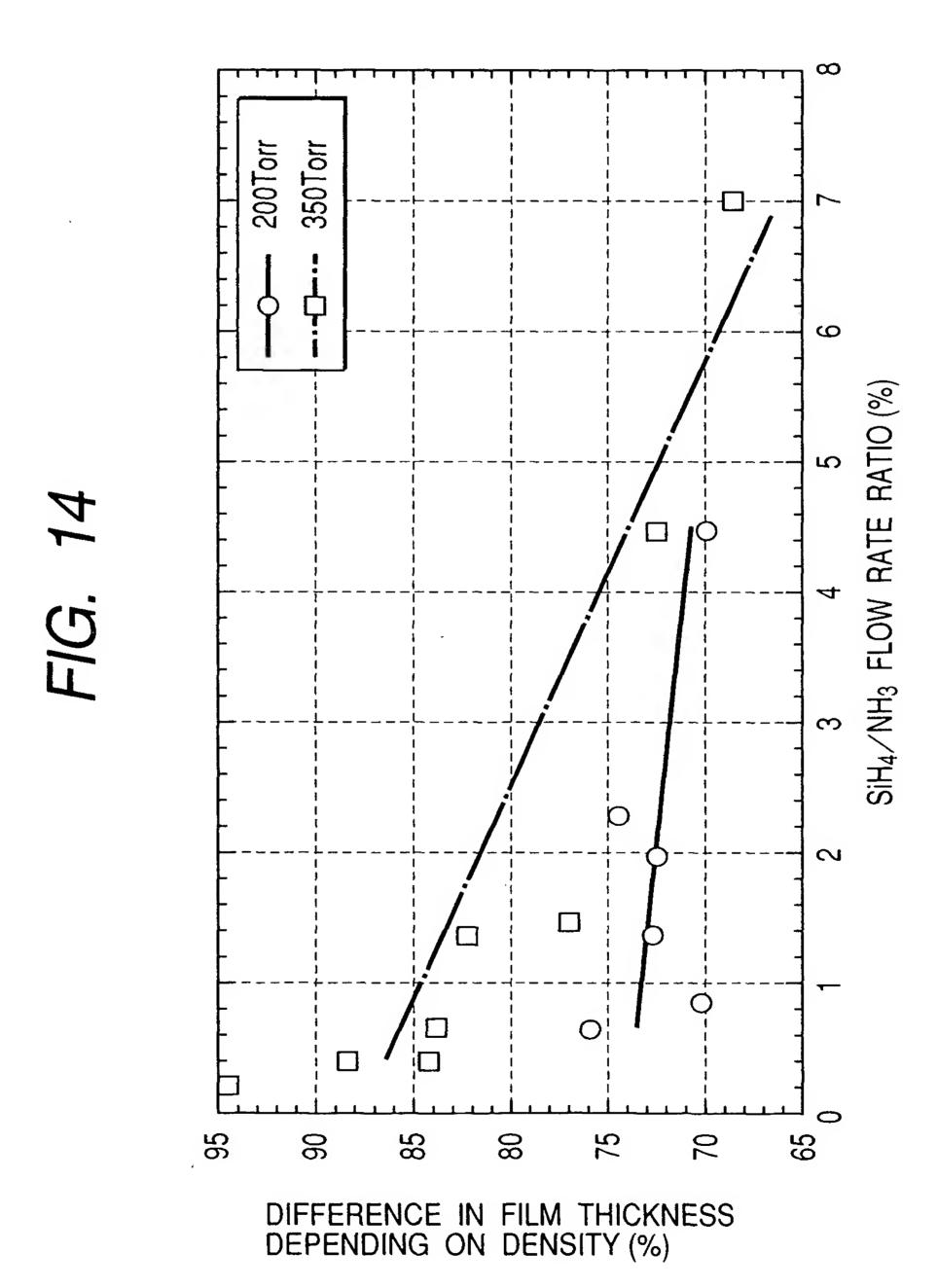


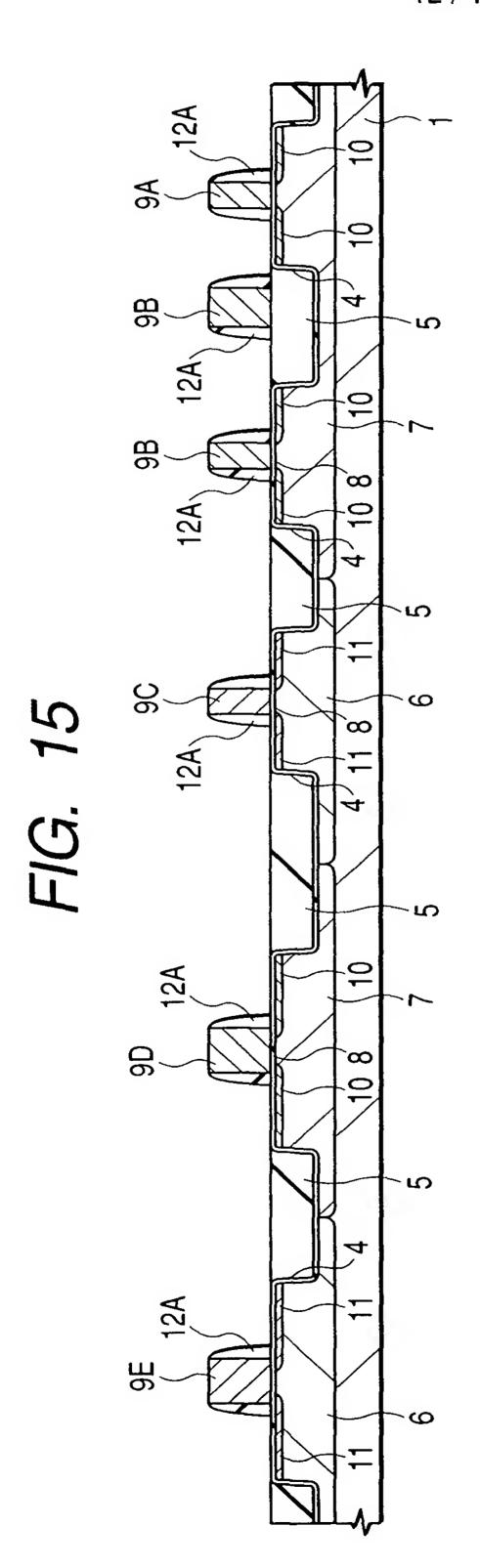
### FIG. 12



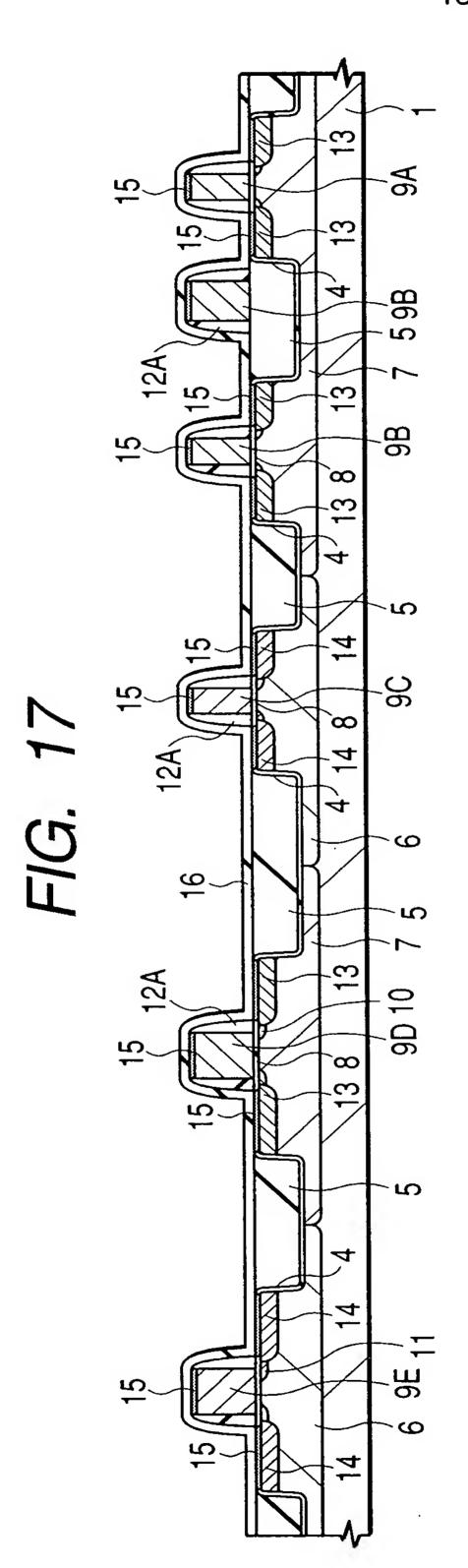
7	Y _	)
(		
L		

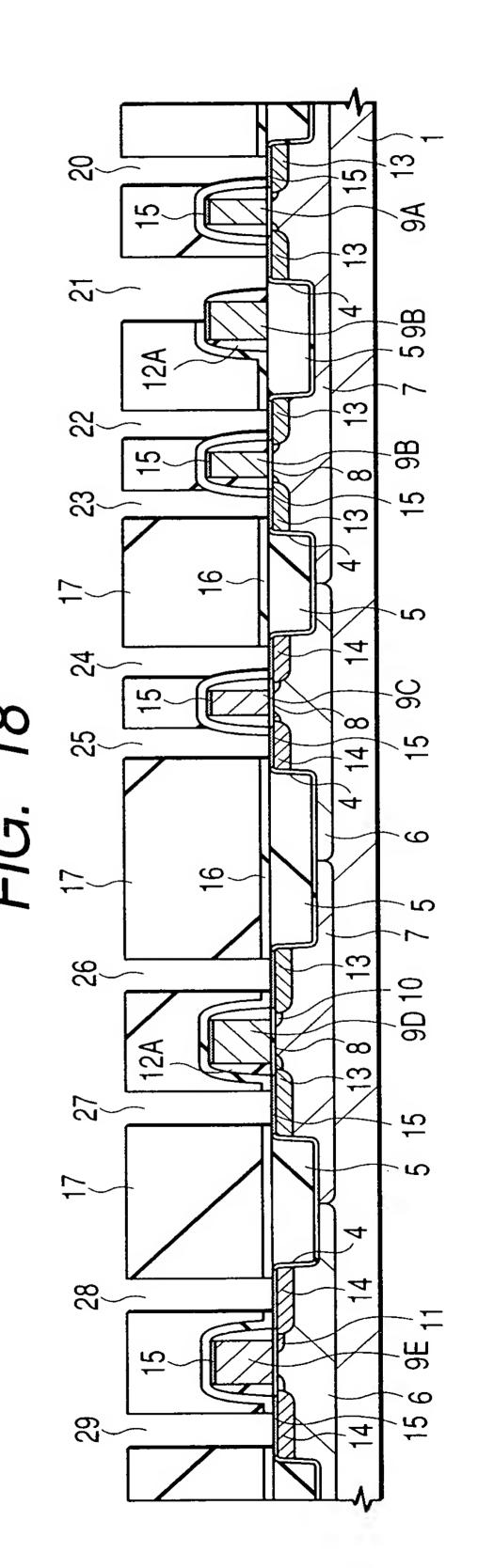
SiH <sub>4</sub> FLOW RATE (sccm)	50	45	70	2	50	45	20	20	45	20	45	2	45	20	20	45	70	20
G NH <sub>3</sub> FLOW RATE (sccm)	1000	3000	5000	2000	1000	3000	3000	2000	1000	3000	2000	1000	2000	1000	3000	1000	3000	2000
F N <sub>2</sub> FLOW RATE (sccm)	2000	7000	0006	7000	0006	2000	0006	2000	2000	2000	0006	2000	2000	7000	0006	0006	2000	2000
FILM FORMING TEMPERATURE (°C)	700	750	800	750	800	700	200	750	800	800	200	750	800	200	750	750	800	700
D FILM FORMING PRESSURE (Torr)	200	.275	350	200	275	350	275	350	200	350	200	275	275	350	500	350	200	275
C DISTANCE BETWEEN ELECTRODES	200	550	009	200	550	009	200	550	009	200	220	600	200	550	009	200	220	009
WALL TEMP. (°C)	25	52	52	30	99	30	35	32	35	25	52	25	30	30	30	35	35	35
A ANNEALING TIME OF NH <sub>3</sub> (sec.)	0	0	0	0	0	0	0	0	0	09	09	09	09	09	09	09	09	09
I	-	$\sim$	က	က	<del>-</del>	0	က		~	-	2	က	7	က	<u> </u>	7	က	₹
0	<b>v</b> -	N	က	က	<b>-</b>	~	~	က	<del>-</del>	2	က	<u> </u>	က	<b>~</b>	~	-	7	က
ட	-	~	က	2	က	_	က	_	~	7	က	<del></del>	-	~	က	က	_	2
ш	-	N	က	2	~	_	-	~	က	က	•	N	က	_	~	2	က	<u> </u>
	-	~	က	_	2	က	7	က	<b>—</b>	က	<b>*</b> -	N	7	(C)	· ·	က		~
O	-	~	က	-	Ω	က	-	~	က	-	~	က	-	~	က	-	~	က
Δ	-	<del>-</del>	<b>-</b>	2	N	~	က	က	က	-	<del></del>	+	2	~	N	က	က	က
4	_	_		-		_	-	_		2			2	~	N	+-		
	6WIL	TM7	TM11	TM5	TM1	TM3	TM15		TM13	TM12	TM10	$\infty$	TM2	TM4	TM8	TM18		TM16





5 9B 9B 9 9 S





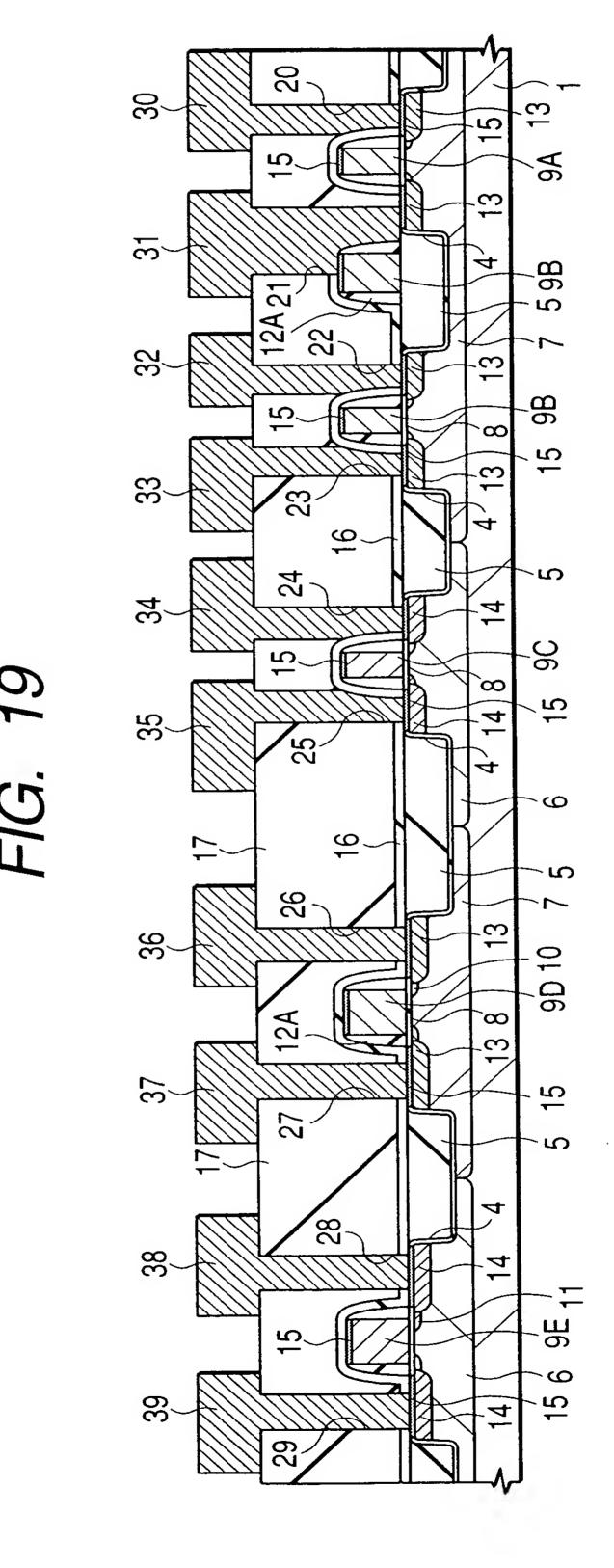


FIG. 20

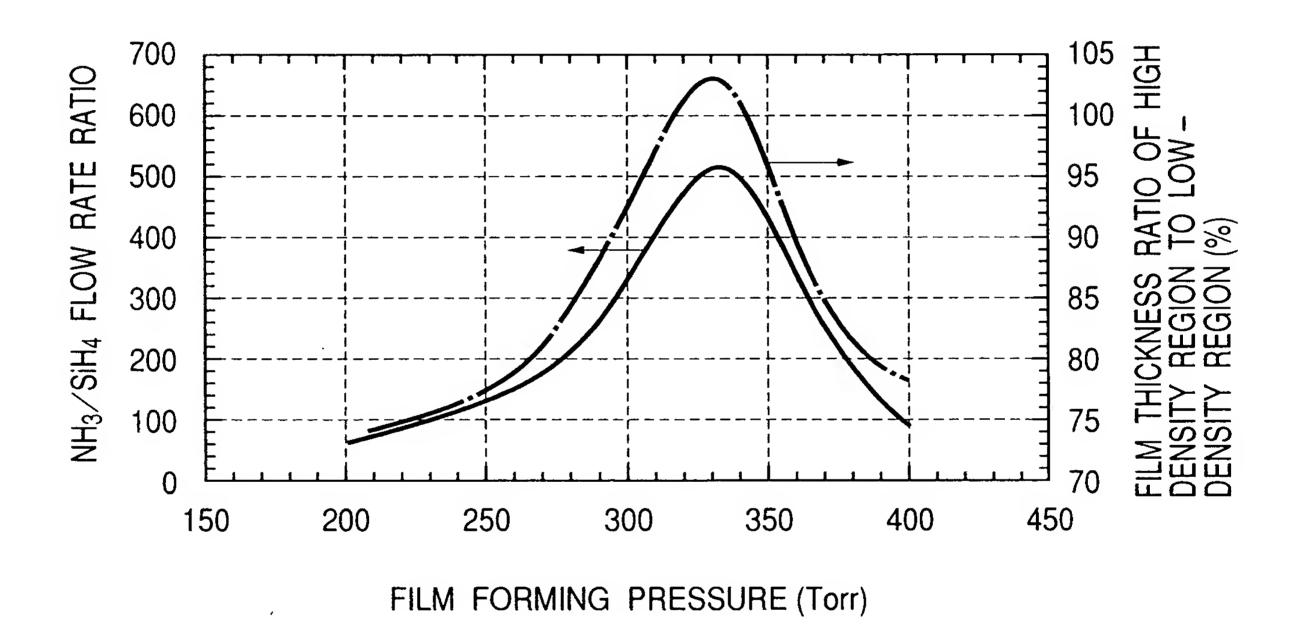
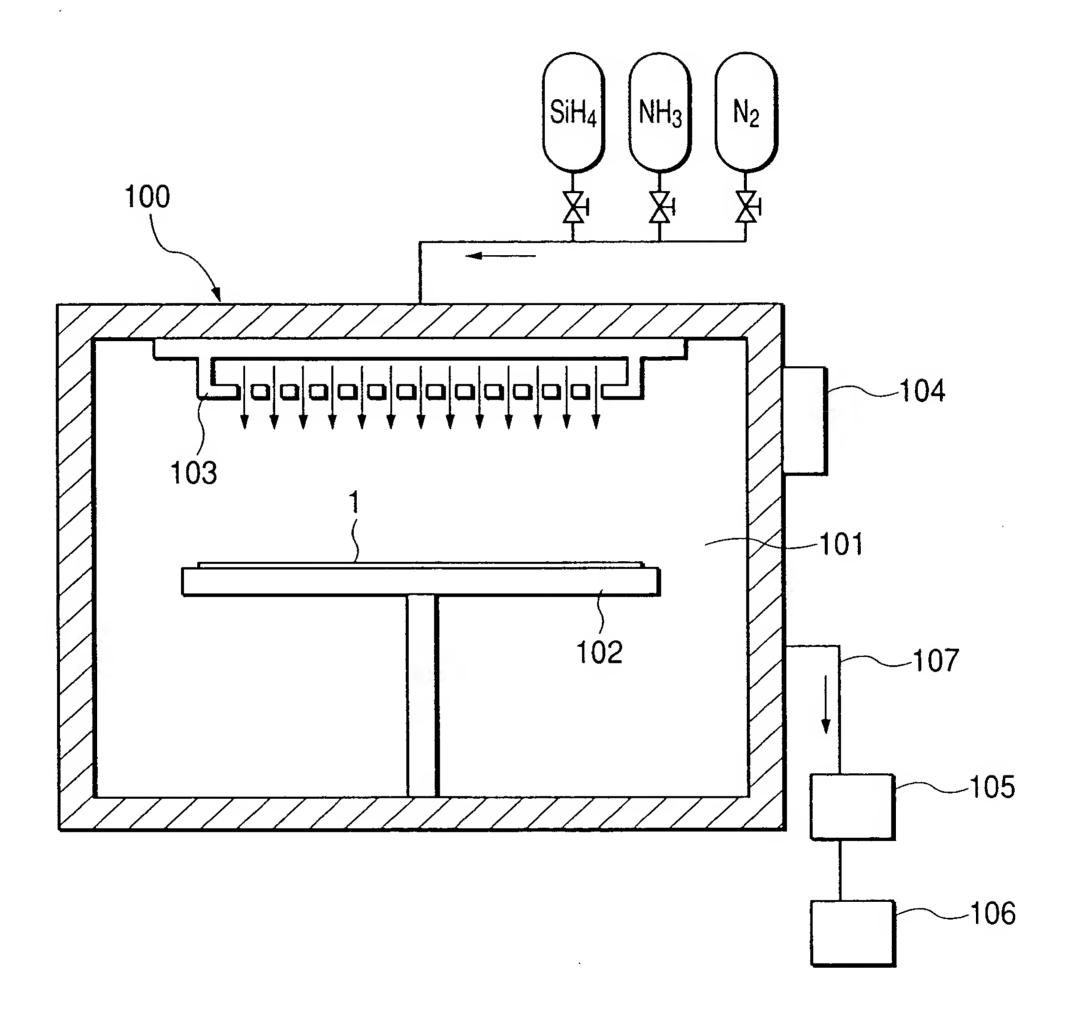


FIG. 21



#### FIG. 22

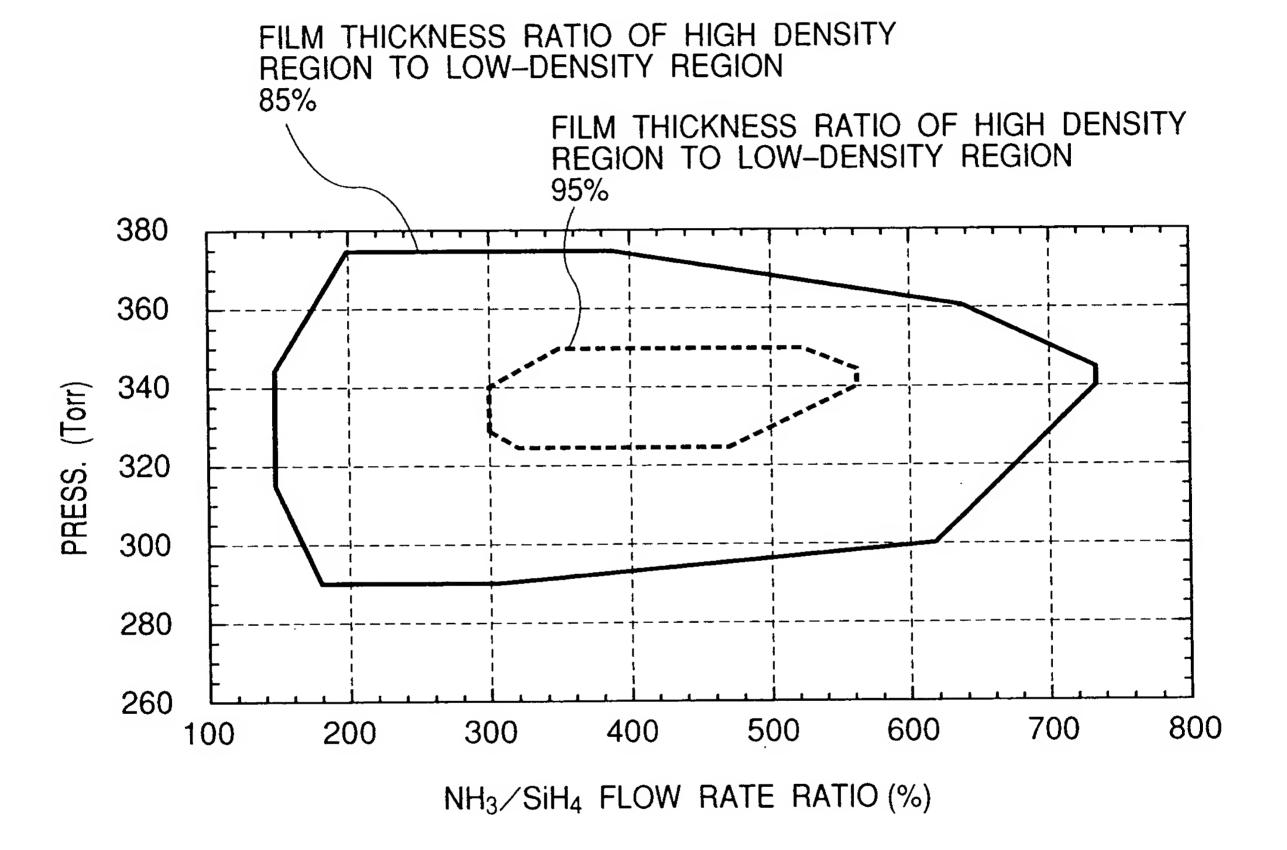
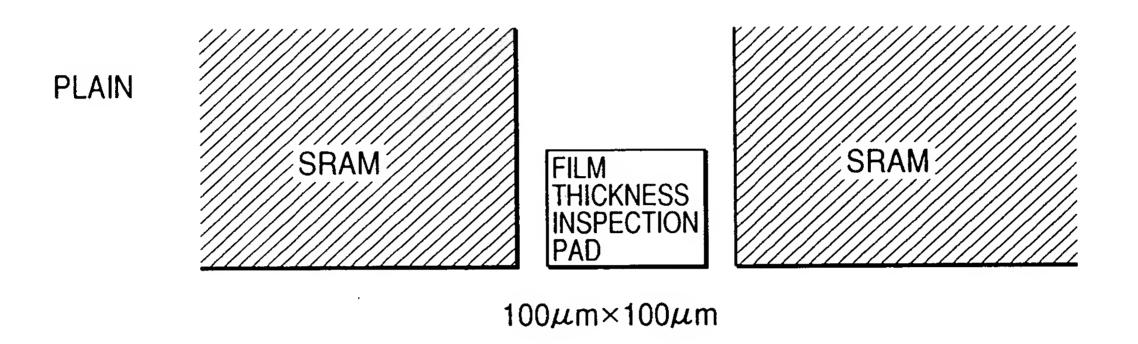


FIG. 3 REGIONS OF AN NH<sub>3</sub>/SiH<sub>4</sub> FLOW RATE RATIO AND A FILM FORMING PRESSURE PERMITTING A FILM THICKNESS RATIO OF HIGH DENSITY REGION TO LOW-DENSITY REGION NOT LESS THAN 85% AND NOT LESS THAN 95%

## FIG. 23(a)



# FIG. 23(b)

#### CROSS - SECTION

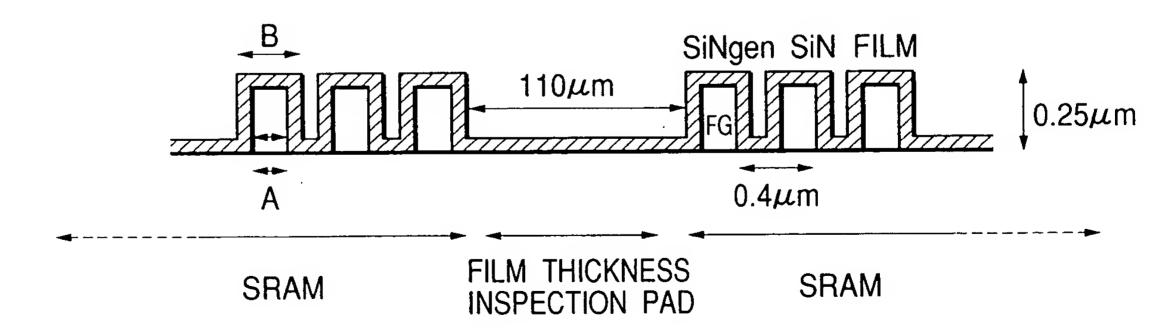


FIG. 24

